

WHAT IS CLAIMED IS:

1. A fan cylinder for a cooling tower, the fan cylinder
being fixed to an upper side of the cooling tower and mounting
5 a cooling fan therein, comprising:

a linear portion having a constant inner diameter, and
mounted therein with the cooling fan;

an inlet portion connected at an upper end thereof to a
lower end of the linear portion, and having an inner diameter
10 increasing downwardly;

an extension portion connected at a lower end thereof to
an upper end of the linear portion, and having an inner
diameter increasing upwardly; and

an outlet portion connected to an upper end of the
15 extension portion, and having an inner diameter decreasing
upwardly.